Panasonic

Fire alarm systems
Heat detectors
4375 and 4376

- Conventional heat detector
- Fixed temperature (static) alarm level

Fixed temperature alarm level

The conventional fixed temperature (static) heat detectors will give an alarm within a static response temperature range, within a specified response time, in accordance with EN54-5:2000 + A1:2002.

The heat sensitive element is a thermistor.

The detector is plugged in a conventional detector base 2324, connected to a conventional zone line input. An LED on the base will light up when the detector goes into alarm. The base also has an output for an external LED, e.g. 2218.

4375 and 4376

The following types are available (type number, temperature and class):

4375, 60°C, class A2 S.

4376, 80°C, class B S.

Latching

The detectors are latching, i.e. they will not be automatically reset if the temperature, after the alarm, falls below the detector's static response temperature. The LED in the base and a connected external LED will be lit until the detector is reset via the c.i.e.

Environment friendly

The detectors have unleaded soldering. The latest IC technology reduces the number of semiconductors and other electronic components to a minimum. The detectors fulfils the RoHS Directive.

Product applications

The detectors can be used in the systems EBL500 / 512 / 128 / 1000 / 2000 provided with some zone line inputs for the system respectively (e.g. an 8 zones expansion board 1580 / 4580 zone line input, an addressable multi purpose I/O unit 3361 zone line input, etc.).

Heat detectors are normally used in rooms where the temperature can be expected to rise rapidly in case of a fire or places where smoke detectors can not be used.

The detectors are intended for indoor use and in dry premises premises.

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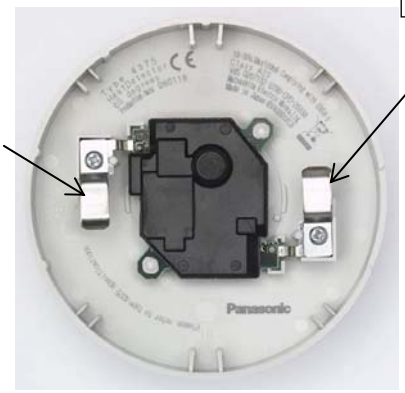
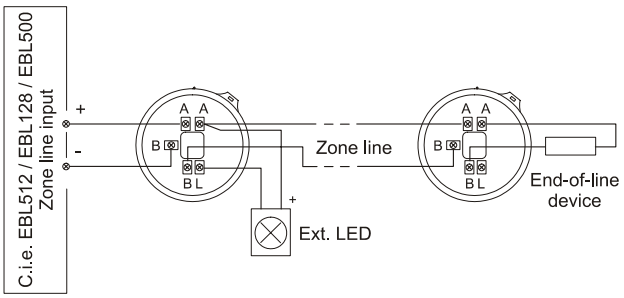
ISO 9001

Type numbers	
4375	Heat detector, 60°C, class A2 S.
4376	Heat detector, 80°C, class B S.

The zone line is connected to the base 2324 (A+ & B-)
Ext. LED is connected to the base 2324 (A+ & L).





In the detector:

A Contact for base 2324

B Contact for base 2324

See also "Engineering Instructions for detectors Type 435x".

The detector is plugged in a base 2324. End-of-line device depending on the zone line input.

Technical data		
Voltage (V DC) rated allowed normal	 24 10-30 24 (zone line voltage)	
Current consumption at nom. voltage, quiescent (mA)	Max. 0.015	
Current limitation required, when active (mA) (EBL equipment has current limitation.)	Must be min. 6 and max. 100	
Ambient temperature (°C) operating (Min. / **Typical** / Max.) storage	 4375 (A2 S): -10 /+**25** /+40 -25 to +70	 4376 (B S): -10 /+**40** /+60 -25 to +70
Static response temperature (°C)	55 (4375) and 72 (4376)	
Ingress Protection rating (estimated)	IP51	
Size ∅ x h (mm)	102 x 39	
Weight (g)	54	
Construction / Colour	Modified Polycarbonate / Grey (N8, Munsell colour code)	
Approvals	CE 07 EC Certificate no. 0786-CPD-20334 (4375); EN54-5 + A1 CE 07 EC Certificate no. 0786-CPD-20335 (4376); EN54-5 + A1	

All technical features and data are subject to changes without notice, resulting from continuous development and improvement.